KELPO-project
Developing the licensing and qualification practices in Finland

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Status of Nuclear Power in Finland

- Finland has a safe and reliable nuclear fleet.

- Nuclear share of electricity production in Finland 32 % (2018).

- High public support for nuclear power (49 % positive, only 15 % negative).

- Aim for long-term operation → major investments ahead for plant modernizations.
KELPO-project

- The project is co-operation of the Finnish nuclear industry.
- STUK participates as an observer and supports the work.
KELPO - objectives

- Put the Graded Approach into practice.
- Enable use of high-quality industrial-standard equipment.
- Ensure a comprehensive supplier network.
- Ensure availability of high-quality equipment.
- Increase co-operation between license holders - in Finland, Nordics and Europe.

→ Ensuring viability of modernization and new-build projects and continuous development of nuclear safety.
KELPO - key development areas

- Utilize high-quality standard equipment manufactured, tested, inspected and documented according to normal, well-known industry standards.

- Harmonized practices and documentation between license holders → Clear and harmonized requirements towards suppliers.

- Increased license holder’s role in lower safety classes - Regulatory control focus on plant overall safety and SC1 and SC2 equipment.

PILOTING:
- Joint effort of license holders and STUK.
- Test and further develop the proposed new licensing and qualification processes.
- Identify change needs in regulations and company practices.

STUK’s new strategy:

“Safety is not achieved through control, but as a result of good work of responsible operators.”
KELPO - Scope

SSC of a Nuclear Plant

SC1
- ASME
- AFCEN
- KTA
- ...

SC2
- ASME
- AFCEN
- KTA
- ...

SC3
- ASME, AFCEN, KTA,...
Industrial standards

EYT/NNS
Industrial standards

= Scope of KELPO

Majority of equipment are on the green area.
Expectations for the future

- Dialogue between license holders in different countries - sharing good practices and harmonization within Europe.

- Dialogue between license holders and authorities - STUK’s effort is highly appreciated.

- ENSREG should take harmonization and use of industrial-standard equipment on the agenda.

- Together create a future where the European nuclear industry can attract the best suppliers.

- Ensuring nuclear safety is a common goal - need to work together to further develop it and secure high-level of safety also in the future.
Thank you!